

ABSTRACT OF THE DISCLOSURE

A radiation image obtaining system that detects a radiation image of a subject by irradiation of radiation which has passed through the subject and a grid, in which a position of a radiation source with respect to a recording surface of a radiation image detector, and an angle of a central axis of radiation with respect to the recording surface, are obtained with a simple structure. Two lines, which pass through center positions of pinhole images, recorded in the radiation image detector by irradiation thereof by the radiation which has passed through pinholes, and predetermined center positions of the pinholes, are obtained. The position of the radiation source with respect to the recording surface and the angle of the central axis of the radiation with respect to the recording surface are calculated, based on distances between the intersection of the two lines the center positions of the pinhole images.